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Operator's Manual for Gator Models in this family are available electronically by contacting John Deere certification personnel.

Service Intervals

Servicing Your Machine

IMPORTANT: Operating in extreme conditions may require more frequent service intervals:

- Engine components may become dirty or plugged when operating in extreme heat, dust or other severe conditions.
- Engine oil can degrade if machine is operated constantly at slow or low engine speeds or for frequent short periods of time.

Please use the following timetables to perform routine maintenance on your machine.

Park the vehicle safely. See Park Safely in the SAFETY Section.

MP47322,00F464B-19-15MA

Break In

After First 8 Hours:

- Change engine oil and filter.
- Check and tighten wheel bolts to correct torque.
- Check brake fluid level.
- Check alignment of glass cab doors, if equipped. (See your John Deere dealer for this service.)

OUMX068,000099A-19-08SE

Every 50 Hours or Annually

- Check brake fluid level, lines and connections.
- Lubricate drive line (two locations).
- Check 4WD front differential oil level.
- Check transaxle oil level.
- Inspect driveline CV boots for tears or punctures.
- Inspect park brake for proper function. (See your John Deere dealer for any adjustments needed.)
- Grease cargo box tailgate strikers.

MP47322,00F4866-19-06SE

Every 100 Hours or Annually (whichever comes first)

- Change engine oil and filter.

MP47322,00F4867-19-03AP

Every 200 Hours or Annually (whichever comes first)

- Change spark plugs.
- Check HVAC filter if equipped.

- Change air cleaner element.
- Check air cleaner dust unloading valve.
- Check HVAC dust unloading valve if equipped.
- Clean radiator.
- Check drive belt condition.
- Inspect and clean primary and secondary clutch.
- Check compressor idler bearing if equipped.
- Inspect compressor belt if equipped.
- Inspect alternator belt.
- Inspect battery. Clean if necessary.
- Check toe-in.
- Check brake pad wear.
- Check park brake oil level.
- Check and tighten wheel bolts to correct torque.
- Check/clean spark arrestor if equipped.
- Check and tighten all hardware.
- Inspect cargo box lanyards.

MP47322,00F4868-19-03APR13

Every 400 Hours or 24 Months (whichever comes first)

- Inspect ball joints for play.
- Inspect suspension bushings for play. (See your John Deere dealer for this service.)
- Inspect wheel bearings for play. (See your John Deere dealer for this service.)
- Inspect timing belt.
- Inspect timing belt idler/bearing.

MP47322,00F4869-19-03APR13

Every 800 Hours or 24 Months (whichever comes first)

- Change transaxle oil.
- Change 4WD front differential oil.
- Replace drive belt.

MP47322,00F486A-19-03APR13

Every 1000 Hours or 24 Months (whichever comes first)

- Change engine coolant.
- Flush and refill brake fluid. (See your John Deere dealer for this service.)
- Inspect shocks and struts for leaks.

MP47322,00F486B-19-03APR13

EMISSION-RELATED WARRANTY STATEMENT OFF-ROAD UTILITY VEHICLE OVER 25 MPH

YOUR WARRANTY RIGHTS AND OBLIGATIONS

To determine if the John Deere off-road utility vehicle qualifies for the additional warranties set forth below, look for the "Vehicle Emission Control Information" label located on the vehicle. If the vehicle is operated in the United States or Canada and the "Vehicle Emissions Control Information" label states: "This vehicle meets U.S. EPA exhaust and evap regulations" refer to the "United States and Canada Emission-Related Warranty Statement." If the vehicle is operated in California, and the label states: "This vehicle meets California regulations" also refer to the "California Evaporative Emissions Control System Warranty Statement."

UNITED STATES AND CANADA EMISSIONS-RELATED WARRANTY STATEMENT

Warranties stated on this certificate refer only to emissions-related parts and components of your engine. The complete engine warranty, less emissions-related parts and components, is provided separately. If you have a question about your emissions warranty coverage, how to make an emissions warranty claim or how to make arrangements for emissions-related authorized repairs, you should contact your John Deere Turf and Utility retailer, or the John Deere Customer Contact Center at 1-800-537-8233, or email John Deere from https://www.deere.com/en_US/services_and_support/technology-solutions/stellarsupport/answer-center/turf-answer-center.page

JOHN DEERE'S WARRANTY RESPONSIBILITY:

John Deere warrants to the ultimate purchaser and each subsequent purchaser that this off-road utility vehicle engine and equipment, including all parts of its emission-control system was designed, built and equipped so as to conform at the time of sale with 40 CFR Part 1051 and Section 213 of the Clean Air Act and is free from defects in materials and workmanship that would cause the engine to fail to conform with applicable US EPA regulations. The emission-related warranty period for vehicles without an odometer is 30 months from when the engine is placed into service. The emission-related warranty period for vehicles with an odometer is 30 months from when the engine is placed into service, 500 hours or 5000 kilometers, whichever comes first, after the engine and equipment is delivered to the ultimate purchaser.

Where a warrantable condition exists, John Deere will repair or replace, as it elects, any part or component with a defect in materials or workmanship that would increase the engine's emissions of any regulated pollutant within the stated warranty period at no cost to you, including expenses related to diagnosing and repairing or replacing emission-related parts. Coverage under this warranty

includes, but is not limited to, the parts listed below (the emissions control system parts) to the extent these parts were present on the engine and equipment purchased. Warranty coverage is subject to the limitations and exclusions set forth herein. Emission-related components include engine parts developed to control emissions related to the following:

I. For exhaust emissions, emission-related components include any engine parts related to the following systems:

1. Air-induction system.
2. Fuel system.
3. Ignition system.
4. Exhaust gas recirculation systems.

II. The following parts are also considered emission-related components for exhaust emissions:

1. Aftertreatment devices.
2. Crankcase ventilation valves.
3. Sensors.
4. Electronic control units.

III. The following parts are considered emission-related components for evaporative emissions:

1. Fuel Tank.
2. Fuel Cap.
3. Fuel Line.
4. Fuel Line Fittings.
5. Clamps*.
6. Pressure Relief Valves*.
7. Control Valves*.
8. Control Solenoids*.
9. Electronic Controls*.
10. Vacuum Control Diaphragms*.
11. Control Cables*.
12. Control Linkages*.
13. Purge Valves.
14. Vapor Hoses.
15. Liquid/Vapor Separator.
16. Carbon Canister.
17. Canister Mounting Brackets.
18. Carburetor Purge Port Connector..
19. Carburetor bowl gaskets

***As related to the evaporative emission control system.**

EMISSION-RELATED WARRANTY EXCLUSIONS:

John Deere may deny emission-related warranty claims for malfunctions or failures caused by:

- Non-performance of maintenance requirements listed in the Operator's Manual.
- The use of the engine / equipment in a manner for which it was not designed.
- Abuse, neglect, improper maintenance or unapproved modifications or alterations.
- Accidents for which John Deere does not have responsibility or by acts of God.

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The off-road utility vehicle engine is designed to operate on those fuels specified in the Fuels, Lubricants and Coolants section in the Operators Manual. Use of any other fuel can harm the emissions control system of the engine / equipment and is not approved for use.

To the extent permitted by law John Deere is not liable for damage to other engine components caused by a failure of an emission-related part, unless otherwise covered by standard warranty, nor shall it be liable for travel or mileage expenses on emissions warranty service calls.

Limited Liability

a. The liability of John Deere under this Emission-Related Warranty is limited solely to the remedying of defects in materials or workmanship. This warranty does not cover inconvenience or loss of use of the off-road utility vehicle engine and equipment or transportation of the equipment to or from the John Deere Turf and Utility retailer. John Deere shall not be liable for any other expense, loss, or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the off-road utility vehicle engine and equipment for any other purpose.

b. THIS WARRANTY AND ANY OTHER APPLICABLE JOHN DEERE WARRANTIES ARE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISIONS OF MATERIAL AND SERVICES AS SPECIFIED HEREIN. WHERE PERMITTED BY LAW, NEITHER JOHN DEERE NOR ANY AUTHORIZED JOHN DEERE ENGINE DISTRIBUTOR, DEALER, OR REPAIR FACILITY OR ANY COMPANY AFFILIATED WITH JOHN DEERE WILL BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

c. No dealer is authorized to modify this John Deere and Federal Emission-Related Warranty.

CALIFORNIA EVAPORATIVE EMISSIONS CONTROL WARRANTY STATEMENT

To determine if the John Deere off-highway recreational vehicle qualifies for the additional warranties set forth below, look for the "Vehicle Emission Control Information" label located on the vehicle. If the vehicle is operated in the United States or Canada and the "Vehicle Emissions Control Information" label states: "This vehicle meets U.S. EPA exhaust and evap regulations" refer to the "United States and Canada Emission-Related Warranty Statement." If the vehicle is operated in California, and the label states: "This vehicle meets California regulations" also refer to the "California Evaporative Emissions Control System Warranty Statement."

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and John Deere are pleased to explain the evaporative emissions control

system warranty on your 2018 or 2019 off-highway recreational vehicle. In California, new off-highway recreational vehicles must be designed, built, and equipped to meet the State's stringent anti-smog standards. John Deere must warrant the evaporative emissions control system on your off-highway recreational vehicle for the periods of time listed below provided there has been no abuse, neglect, improper maintenance, or unapproved modification of your off-highway recreational vehicle.

Your evaporative emissions control system may include parts such as the carburetor or fuel-injection system, fuel tank, fuel hoses, carbon canister, and engine computer. Also included may be hoses, belts, connectors and other evaporative emissions-related assemblies. Where a warrantable condition exists, John Deere will repair your off-highway recreational vehicle at no cost to you including diagnosis, parts and labor.

JOHN DEERE'S WARRANTY COVERAGE:

For 2018 and later model year off-highway recreational vehicles, the warranty period for this off-highway recreational vehicle is 30 months, or 2500 miles, or 250 hours, whichever comes first, except for "high-priced" warranty parts [for example: fuel tanks, fuel injectors (if installed), and carburetors (if installed)], which are covered for 60 months, or 5000 miles, or 500 hours, whichever comes first, after the engine and equipment is delivered to the ultimate purchaser.

The following parts are considered emission-related components for evaporative emissions:

1. Fuel Tank**
2. Fuel Cap
3. Fuel Line
4. Fuel Line Fittings
5. Clamps*
6. Pressure Relief Valves*
7. Control Valves*
8. Control Solenoids*
9. Electronic Controls*
10. Vacuum Control Diaphragms*
11. Control Cables*
12. Control Linkages*
13. Purge Valves
14. Vapor Hoses
15. Liquid/Vapor Separator
16. Carbon Canister
17. Canister Mounting Brackets
18. Carburetor Purge Port Connector
19. Carburetor bowl gaskets
20. Carburetor**
21. Fuel Injector**

***As related to the evaporative emission control system.**

****Denotes "high-priced warranty parts."**

If any evaporative emissions-related part on your off-highway recreational vehicle is defective the part will be repaired or replaced by John Deere.

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OWNER'S WARRANTY RESPONSIBILITIES:

As the off-highway recreational vehicle owner you are responsible for the performance of the required maintenance listed in your owner's manual. John Deere recommends that you retain all receipts covering maintenance on your off-highway recreational vehicle, but John Deere cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of a scheduled maintenance.

As an owner you are responsible for presenting your off-highway recreational vehicle to a John Deere dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As an off-highway recreational vehicle owner, you should also be aware that John Deere may deny you warranty coverage if your off-highway recreational vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact a John Deere Turf and Utility retailer, or the John Deere Customer Contact Center at 1-800-537-8233, or email John Deere from https://www.deere.com/en_US/services_and_support/technology-solutions/stellarsupport/answer-center/turf-answer-center.page or the California Air Resources Board at 9528 Telstar Avenue, El Monte, CA 91731.

ADDITIONAL EVAPORATIVE EMISSIONS CONTROL SYSTEM WARRANTY INFORMATION:

Subject to the conditions and exclusions of the Limited Liability Section below, the warranty on emissions-related parts must function as follows:

(1) Any warranted part which is not scheduled for replacement as part of maintenance in the written instructions (see the "Service Intervals" section of the Operator's manual) must be warranted for the warranty period defined in the Warranty Coverage section above. If any such part fails during the warranty period, it must be repaired or replaced by John Deere according to part 4 of this section. Any such part repaired or replaced under warranty must be fully warranted.

(2) Any warranted part which is scheduled only for regular inspection in the written instructions (see the "Service Intervals" section of the Operator's manual) must be warranted for the Warranty Coverage section above. A statement in such written instructions to the effect of "repair or replace as necessary" must not reduce the period of warranty coverage. Any such part repaired or replaced under warranty must be warranted for the remaining warranty period.

(3) Any warranted part which is scheduled for replacement as part of maintenance in the written instructions (see the "Service Intervals" section of the Operator's manual) must be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails before the first scheduled replacement point, the part must

be repaired or replaced by John Deere according to part 4 of this section. Any such part repaired or replaced under warranty must be warranted for the remainder of the period prior to the first scheduled replacement point for the part.

(4) Repair or replacement of any warranted part under this warranty must be performed at no charge to the off-highway recreational vehicle owner, at a warranty station, except in the case of a temporary repair when a warranted part or a warranty station is not reasonably available to the off-highway recreational vehicle owner. In the event a temporary repair is permitted under this warranty, repairs may be performed at any available service establishment, or by the owner, using any replacement part. John Deere must reimburse the owner for his or her expenses including diagnostic charges for such temporary repair or replacement, not to exceed John Deere's suggested retail price for all warranted parts replaced and labor charges based on John Deere's recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate.

(5) Warranty services or repairs must be provided at all John Deere dealerships.

(6) The off-highway recreational vehicle owner must not be charged for diagnostic labor which leads to the determination that a warranted part is, in fact, defective, provided that such diagnostic work is performed at a warranty station.

(7) John Deere is liable for damages to other vehicle components proximately caused by a failure, under warranty, of any warranted part.

(8) Throughout the off-highway recreational vehicle's warranty period defined in the Warranty Coverage section above, John Deere must maintain a supply of warranted parts sufficient to meet the expected demand for such parts. The lack of availability of such parts or the incompleteness of repairs within a reasonable time period, not to exceed 30 days from the time the off-highway recreational vehicle is initially presented to the warranty station for repair, will qualify the need for a temporary repair for purposes of part 4 of this section.

(9) Any replacement part designated by John Deere may be used in warranty repairs provided without charge to the off-highway recreational vehicle owner. Such use will not reduce the warranty obligations of John Deere, except that John Deere will not be liable under this Warranty for repair or replacement of any replacement part which is not a warranted part (except as provided under part 7 of this section).

(10) Any add-on or modified part exempted by the Air Resources Board from the prohibitions of section 27156 of the California Vehicle Code may be used on an off-highway recreational vehicle. Such use, in and of itself, will not be grounds for disallowing a warranty claim made under this Warranty. John Deere is not liable under this Warranty to warrant failures of warranted parts caused by the use of an add-on or modified part(s) unless such part(s) are also warranted.

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Limited Liability


a. The liability of John Deere under this Evaporative Emissions Control Warranty is limited solely to the remedying of defects in materials or workmanship. This warranty does not cover inconvenience or loss of use of the off-highway recreational vehicle engine and equipment or transportation of the equipment to or from the John Deere Turf and Utility retailer. John Deere shall not be liable for any other expense, loss, or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the off-road utility vehicle engine and equipment for any other purpose.

b. **THIS WARRANTY AND ANY OTHER APPLICABLE JOHN DEERE WARRANTIES ARE EXPRESSLY IN**

LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISIONS OF MATERIAL AND SERVICES AS SPECIFIED HEREIN. WHERE PERMITTED BY LAW, NEITHER JOHN DEERE NOR ANY AUTHORIZED JOHN DEERE ENGINE DISTRIBUTOR, DEALER, OR REPAIR FACILITY OR ANY COMPANY AFFILIATED WITH JOHN DEERE WILL BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

c. No dealer is authorized to modify this John Deere and California Evaporative Emissions Control Warranty.

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California Environmental Protection Agency  Air Resources Board	JOHN DEERE	Executive Order: U-M-132-0050 New Off-Highway Recreational Vehicles/Engines Page 1 of 3
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Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 1 and 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: The engine and exhaust emission control systems produced by the manufacturer are certified as described below for off-highway recreational vehicles. Production vehicles shall be in all material respects the same as those for which certification is granted. The manufacturer shall ensure that character "C" or "3" is not used in the eighth (8th) position of the vehicle identification number (VIN) of all vehicles in the engine family listed below. Violation of this VIN provision may result in incorrect registration of the vehicles.

Model Year	Engine Family	Vehicle Category	Fuel Type(s)	Strokes per cycle
2018	JJDXX.812AAB	OFRSV	GAS	4

Special Features & Emission Control Systems (ECS)	Engine(cc)
TWC, HO2S, MFI	812

Following are the exhaust emission standards, or designated standard as applicable, and certification levels for this engine family. The designated standard, as applicable, shall be shown on the permanent emission control label. Vehicles within this engine family shall not discharge any crankcase emissions into the ambient atmosphere in conformance with Title 13, California Code of Regulations, Section (13 CCR) 2412(i).

Exhaust Emissions (G/KM)			
Pollutant	CERT	STD	DES STD
HC	0.5	1.2	*
HC+NOx	*	*	*
CO	2.5	15.0	

BE IT FURTHER RESOLVED: Certification to the designated standard listed above, as applicable, is subject to the following terms, limitations and conditions. The designated standard shall be the exhaust limit for this engine family for the model year and cannot be changed by the manufacturer. It serves as the exhaust standard applicable to this engine family for determining engine family compliance, and compliance with the corporate average standard in accordance with 13 CCR 2412(b), 13 CCR 2412(d), and 13 CCR 2414.

BE IT FURTHER RESOLVED: The listed vehicles shall comply with 13 CCR 1965 and 13 CCR 2413 (emission control labels). The vehicles shall also be subject to 13 CCR 2414 (enforcement and recall provisions).

BE IT FURTHER RESOLVED: For the off-highway recreational vehicles listed above, the manufacturer has submitted materials to demonstrate certification compliance with the evaporative emission requirements in 13 CCR 2412 (b)(2), as applicable.

BE IT FURTHER RESOLVED: For 2018 through 2021 model-year off-highway recreational vehicles subject to the evaporative emission requirement in 13 CCR 2418, the manufacturer has submitted materials to demonstrate certification compliance with the phase-in requirement in 13 CCR 2418(d).

BE IT FURTHER RESOLVED: For the off-highway recreational vehicles listed above, the manufacturer has submitted materials to demonstrate certification compliance with the evaporative emission requirements in 13 CCR 2418 (Evaporative Emission Standard and Test Procedures), 13 CCR 2419 (emission control labels), and 13 CCR 2419.1 and 13 CCR 2419.2 (Defect Warranty, and Evaporative Emissions Control System Warranty Statement, respectively). The evaporative emissions standards and certification emission levels for the listed vehicles are as listed on Attachment B. The vehicles shall also be subject to 13 CCR 2419.3 (enforcement and recall provisions).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Vehicles in this family that are produced for any other model-year are not covered by this Executive Order.


See Attachment A for vehicle descriptions.

Executed at El Monte, California on this 26th day of October 2017.



Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency  Air Resources Board	JOHN DEERE	Executive Order: U-M-132-0050 New Off-Highway Recreational Vehicles/Engines Page 3 of 3
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ATTACHMENT A

Make	Model	Vehicle Category	Engine (cc)	Rated Power (kW)	EIM (kg)	TRANS	Emission Controls
JOHN DEERE	825M S4 XUV GATOR	OFRSV	812	37.3	1130	CV	TWC, HO2S, MFI
JOHN DEERE	835E XUV GATOR	OFRSV	812	37.3	940	CV	TWC, HO2S, MFI
JOHN DEERE	835M XUV GATOR	OFRSV	812	37.3	940	CV	TWC, HO2S, MFI

ABBREVIATIONS:

GENERAL: 13 CCR 1958, etc.=Title 13, California Code of Regulations, Section 1958, etc.; 40 CFR86.401-90, etc.=Title 40, Code of Federal Regulations, Section 86.401-90, etc.;

HIGHWAY MOTORCYCLE & OFF-HIGHWAY RECREATIONAL VEHICLE CATEGORIES: ATV or ATVA=all terrain vehicle conforming to the California definition in 13 CCR 2411(a); ATVB=Off-highway or non-road recreational vehicles that meet USEPA definition for an all-terrain vehicle or USEPA definition for an off-road utility vehicle and, in addition, meet one or more CARB definitions for an all terrain vehicle, off-road utility vehicle, off-road sport vehicle, and/or sand car; EGC=electric golf cart; HMC=on-road or highway motorcycle; HMC-IA / -IB=HMC below 50 cc / 50 cc to below 170 cc; HMC II=HMC 170 cc to below 280 cc; HMC-III=HMC 280 cc and above; OFMC=off-road motorcycle; SC=sand car above 1000 cc; OFRSV=off-road sport vehicle, including otherwise sand car but with 1000 cc engine or smaller; OFRUV=off-road utility vehicle;

FUEL TYPES: CLNG=natural gas in either CNG or LNG form; CNG / LNG=compressed / liquefied natural gas; DF_CNG/GAS=dual-fuel CNG or gasoline, etc; DSL=diesel; GAS=gasoline; HYD=hybrid; LPG=propane or liquefied petroleum gas;

EMISSION CONTROL SYSTEMS & SPECIAL FEATURES: AFS / HAFS=air fuel ratio sensor / heated AFS; (prefix) 2, 3, 4=2, 3, or 4 catalysts, sensors, TC, SC, CAC, etc. in parallel arrangement; (parenthetic suffix) (2), (3), (4)=2, 3, or 4 catalysts, sensors, TC, SC, CAC, etc. in series arrangement; AIR / PAIR=secondary / pulsed air injection; CAC=charge air cooler; DDI / IDI=direct / indirect diesel injection; EGR=exhaust gas recirculation; EM=engine modification; O2S / HO2S=oxygen sensor / heated O2S; OC=oxidation catalyst; TC=turbocharger; TBI / MFI / SFI / DGI=throttle body / multi port / sequential / direct gasoline fuel injection; TRANS=transmission type; TWC=three way catalyst; SC=supercharger; TWC+OC=TWC plus OC in same container; (prefix) WU=warm-up catalyst;

CERTIFICATION EMISSION LEVELS & STANDARDS: bhp=brake hp; cc=cubic centimeter; CERT=certification emission level; CID=cubic inch displacement; CO=carbon monoxide; CO2=carbon dioxide; D+HS=diurnal plus hot soak evaporative emissions; DES_STD=manufacturer designated standard; EIM=equivalent inertia mass; EVAP=evaporative family; FEL=family emission limit; g=gram; gal=gallon; g/bhp-hr=grams per brake horsepower-hour; g/km=grams per kilometer; g/kW-hr=grams per kilowatt-hour; g/m2-day=grams per square meter per day; g/test=grams per test; HC=(total) hydrocarbons; hp=horsepower; hr=hour; K=1000 miles; kg=kilograms; km=kilometer; kW=kilowatt; L=liter; m2=square meter; mi=mile; mg=milligram; NOX=oxides of nitrogen; NMHC=non methane hydrocarbons; PEVAP=permeation evaporative family; STD=emission standard; *=not applicable; (superscript) o=degree (temperature); oF=degree Fahrenheit; oC=degree Celsius.

Attachment B

Supplemental Data Sheet -OHRV Evaporative Systems

EO # U-M-132-0050

Evaporative Family Description					
Manufacturer	JOHN DEERE		Evaporative Family	JJDXXU0055HUV	
Model Year	2018				
Manufacturer Size (Check One)	Large	<input checked="" type="checkbox"/>	Small	<input type="checkbox"/>	
Advanced Fuel System Credits	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Compliance Option (Check One)	72-Hr. Diurnal	<input checked="" type="checkbox"/>	24-Hr. Diurnal	Certify by Design Using Mfr.'s Data	Certify by Design Reference CARB EO
Durability Basis (Check One)	UL Vehicle	<input checked="" type="checkbox"/>	DF	<input type="checkbox"/>	

Emission Data Vehicle (EDV)					
Engine Family	JJDXX.812AAB	Evaporative Family	JJDXXU0055HUV	EDV Model Year	2018
Fuel System	Carburetor	<input type="checkbox"/>	TBI	<input type="checkbox"/>	DFI
	MFI	<input checked="" type="checkbox"/>	SFI	<input type="checkbox"/>	Other
Canister	Volume (cc)	800	W/C (grams)	55	N/A
Purge Valve	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Pressure Vent Valve	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	

Durability Data Vehicle (DDV)					
Engine Family	JJDXX.812AAB	Evaporative Family	JJDXXU0055HUV	DDV Model Year	2018
Fuel System	Carburetor	<input type="checkbox"/>	TBI	<input type="checkbox"/>	DFI
	MFI	<input checked="" type="checkbox"/>	SFI	<input type="checkbox"/>	Other
Canister	Volume (cc)	800	W/C (grams)	55	
Purge Valve	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Pressure Vent Valve	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	

72-Hour Diurnal Test (TOG G/Day)	
CERT	0.644
STD	1
EFEL	n.a.
DF	n.a.
Pass Fuel Leakage Tip Test?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

24-Hour Diurnal Test (TOG G/Day)					
CERT					
STD					
EFEL					
DF					
Vented Emissions Compliance. (Select One)	6.4.2.5. a)	NVL \geq V _{total} ?	Yes	No	
	6.4.2.5. b)	Use 2 psig PVV?	Yes	No	
	6.4.2.5. c)	No PVV release?	Yes	No	
Pass Fuel Leakage Tip Test?	Yes	No			

SVM Certify By Design			
Fuel Tank Permeation	Fuel Hose Permeation		
CARB Component EO Number			
CERT			
STD			
Pass Fuel Leakage Tip Test?	Yes	No	Canister Working Capacity per Fuel Tank Volume

ABBREVIATIONS: CARB=California Air Resources Board; EO=Executive Order; TOG=total organic gases; CERT=certification level; STD=certification standard; EFEL=evaporative family emission limit; DF=deterioration factor; UL=useful life; EDV=emission data vehicle; DDV=durability data vehicle; TBI=throttle body fuel injection; MFI=multiport fuel injection; SFI=sequential multiport fuel injection; DFI=direct gasoline fuel injection; psig=pounds per square inch - gauge; W/C=canister nominal gasoline working capacity; NVL=normalized vapor load